

Service Schematics



RM-140

Introduction

Important:

This document is intended for use by authorized service centers only.

“Service Schematics“ was created with focus on customer care.
The purpose of this document is to provide further technical repair information for NOKIA mobile phones on Level 3/4 service activities.
It contains additional information such as e.g. “Component finder”, “Frequency band table” or “Antenna switch table”.
The “Signal overview” page gives a good and fast overview about the most important signals and voltages on board.
Saving process time and improving the repair quality is the aim of this document.
It is to be used additionally to the service manual and other training or service information such as Service Bulletins.

All measurements were made using following equipment:

Nokia repair SW	:	Phoenix version 2006.34.2.156
Oscilloscope	:	Fluke PM 3380A/B
Spectrum Analyzer	:	Advanced R3162 with an analog probe
RF-Generator/GSM Tester	:	Rhode & Schwarz CMU 200
Multimeter	:	Fluke 73 Series II

While every endeavour has been made to ensure the accuracy of this document, some errors may exist. If the reader finds any errors, NOKIA should be notified in writing.

Please send E-Mail to: training.sace@nokia.com



A NEW FEATURE FOR ON-LINE USE

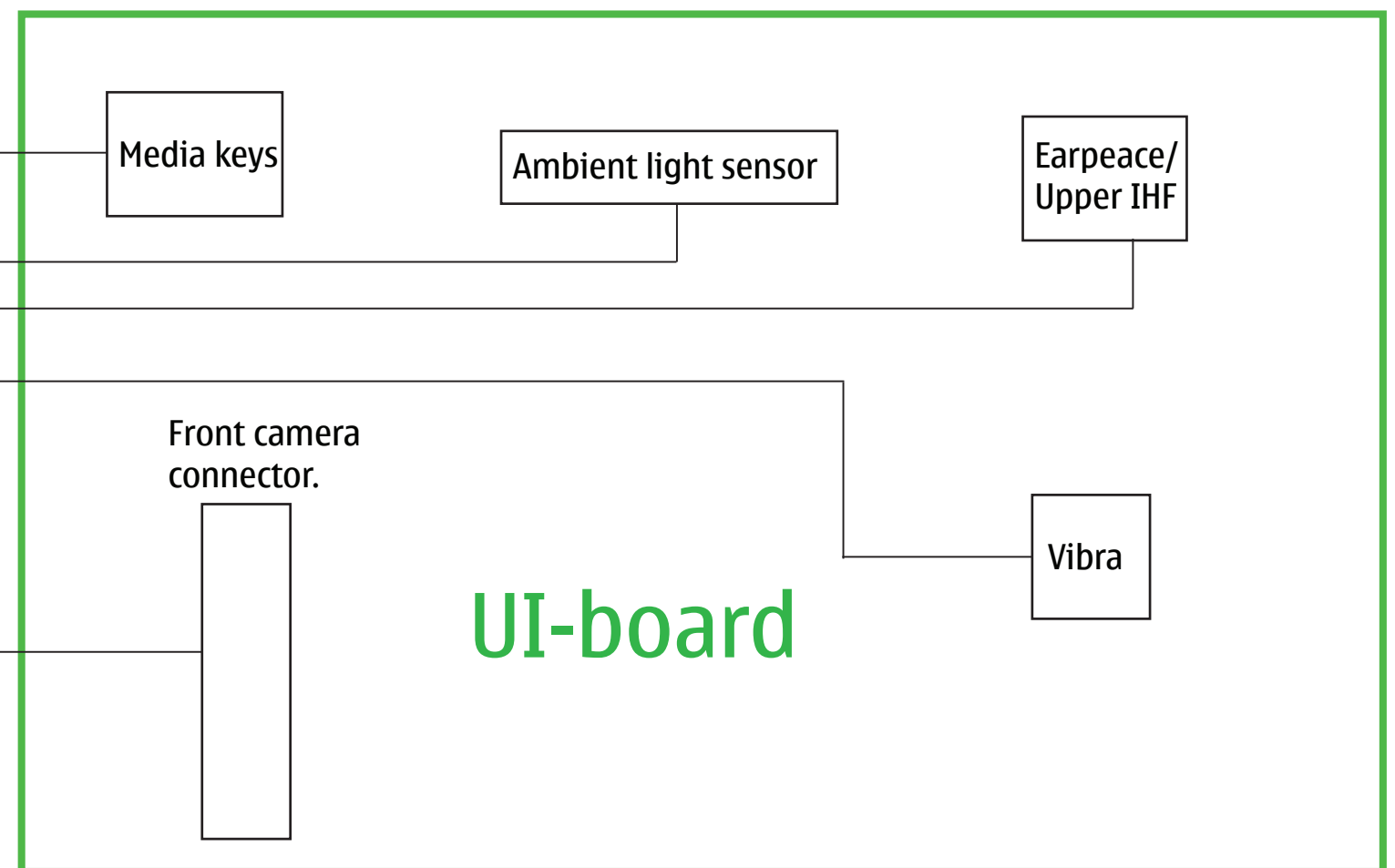
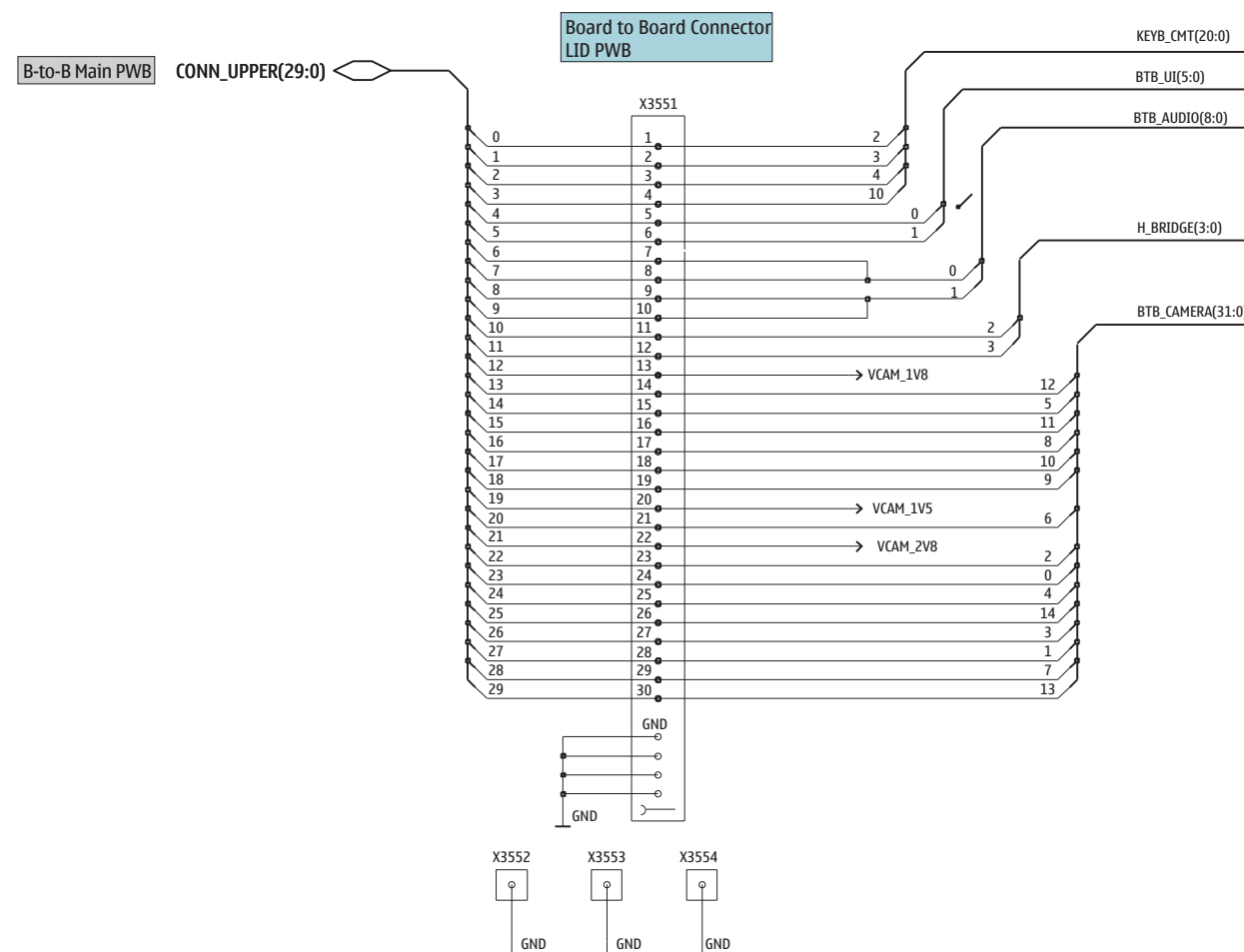
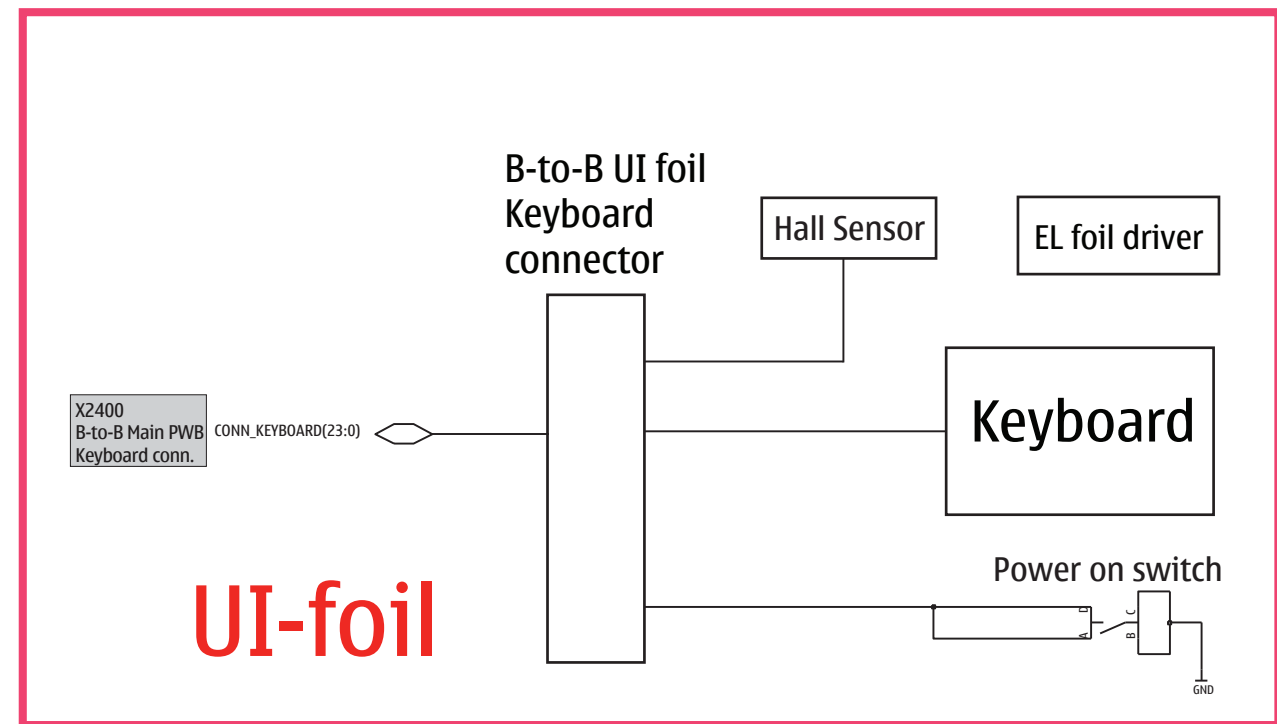
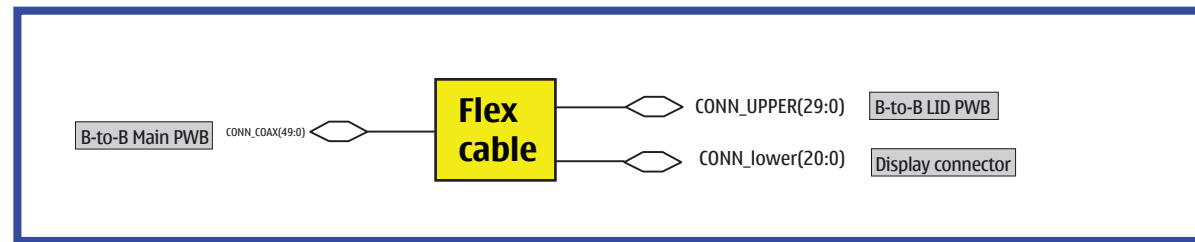
We have now linked those measurement points , which are related to the oscillograms shown on the signal overview page. As example: clicking on the measurement point guides you to the matching oscillogram on the signal overview page. The next click onto the now shown signal guides you to the related measurement point on the module. Finally, a third click , now onto the measurement point on the module, takes you back to the starting point inside the schematics.

Do you have further improvement ideas or would like to give us feedback?
Please send an email to: training.sace@nokia.com

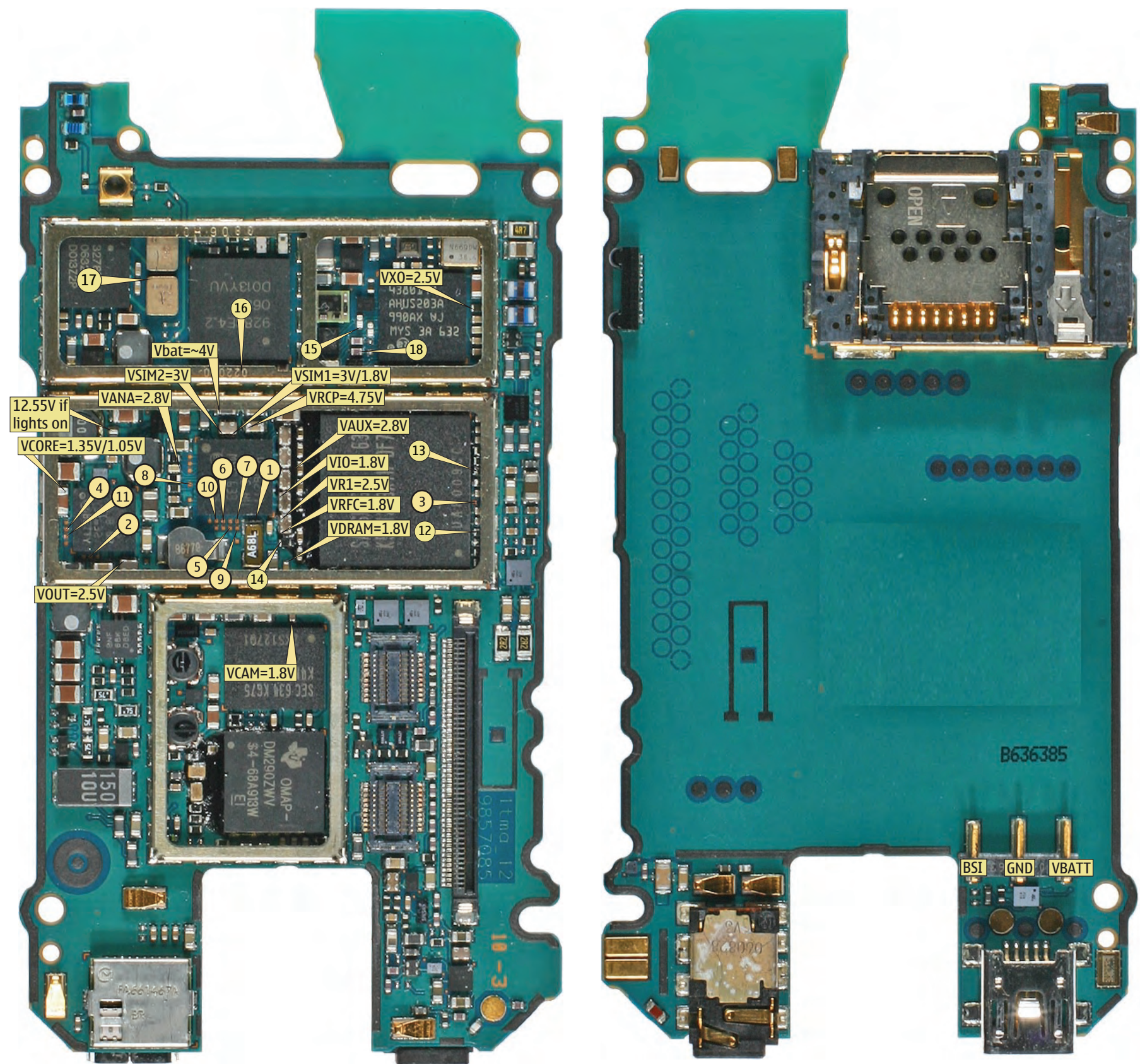
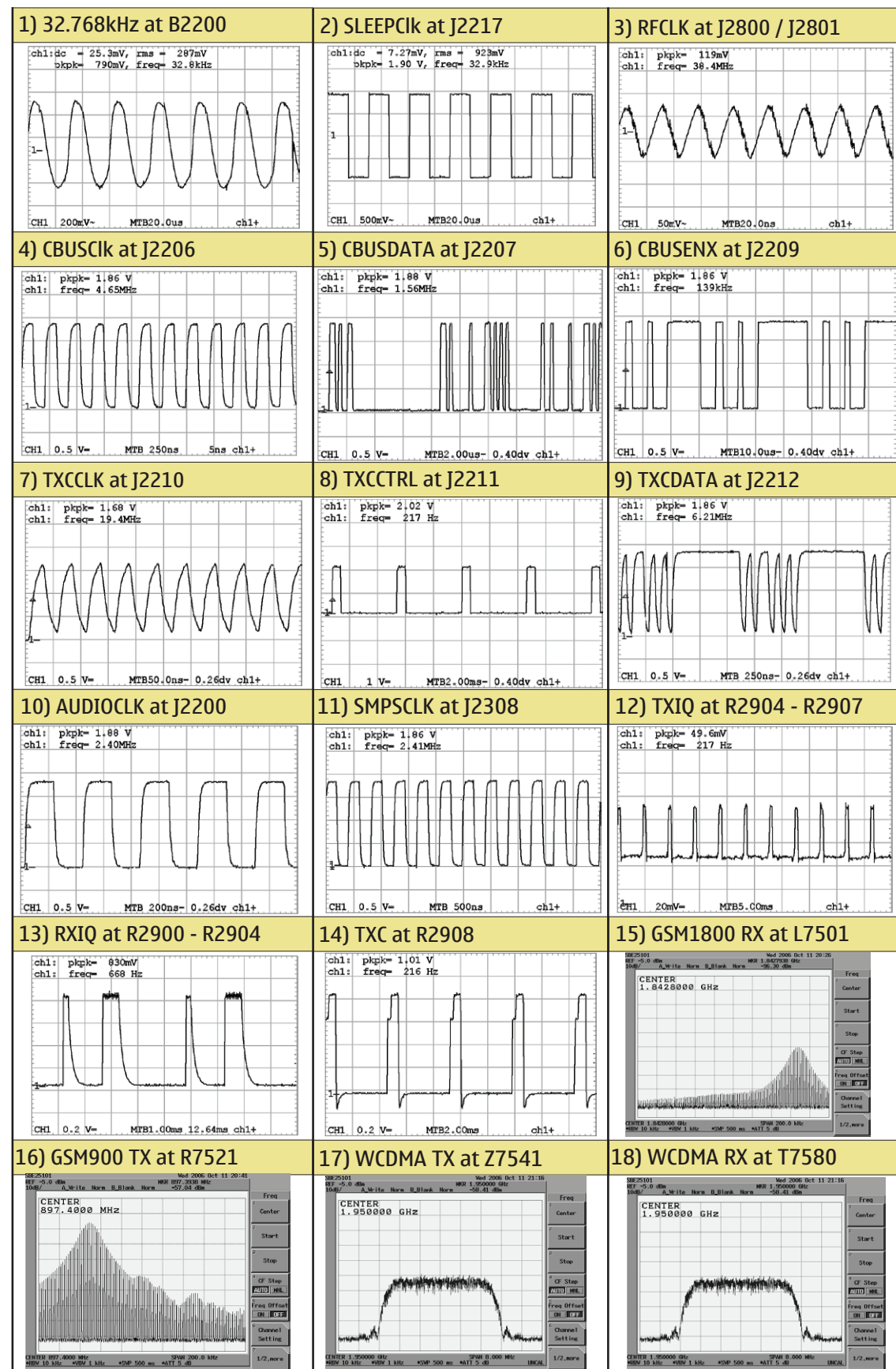
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B	C2811	H8	C7524	G5	J3102	H8	N2200	I5	R3410	N4	
B2200	J5	C2812	J8	C7525	G5	J3103	H7	N2300	I2	R3411	M6
C	C2813	H6	C7543	F3	J3104	I7	N2301	H3	R3412	N6	
C2000	O9	C2814	H7	C7544	F2	J3105	I7	N2600	F9	R3413	N6
C2002	Q8	C2815	H8	C7545	F2	J3110	I8	N3300	O7	R3417	N3
C2003	O9	C2816	H6	C7547	F2	J3111	J8	N3301	K3	R3418	M4
C2004	P8	C2817	H8	C7548	F2	J3112	I7	N3400	N5	R3419	L3
C2005	Q8	C2818	J6	C7549	F3	J3113	I7	N3401	L4	R4801	D6
C2006	P8	C2819	H8	C7550	F2	J3114	J7	N3402	K4	R4803	D6
C2007	Q8	C2820	I8	C7553	E3	J3115	I7	N4800	E3	R4804	F2
C2008	Q7	C2821	J7	C7580	G8	J3116	I7	N4801	E2	R4805	E2
C2009	Q7	C2822	H6	C7581	G8	J3117	I7	N6050	M3	R6002	M2
C2012	O9	C2823	J8	C7582	G9	J3118	H7	N7505	F8	R6005	O8
C2013	P7	C3100	J8	C7583	G8	J3119	H7	N7520	F5	R7501	F8
C2014	O7	C3300	O7	C7586	G7	J3120	I7	N7540	E2	R7502	G8
C2070	N2	C3302	O7	C7587	F7	J3400	I6	N7541	G2	R7503	G7
C2106	F9	C3303	O8	C7590	E6	J3412	L4	N7590	E6	R7509	E8
C2107	G9	C3304	M8	C7591	E6	J3413	K4	R		R7521	G5
C2111	G9	C3305	N8	C7801	C2	J3418	H6	R2001	O7	R7522	F7
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C2127	I9	C3401	N4	G	L2003	P7	R2060	I2	R7800	D2	
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C2203	I4	C3406	O5	J	L2102	F9	R2121	J9	T		
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C2213	I5	C3411	K5	J2007	P2	L2107	H9	R2152	K9	V	
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C2217	I4	C3416	N4	J2012	N8	L2202	H4	R2160	M7	V3301	M2
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C2225	J5	C3419	K5	J2201	H4	L2212	O3	R2211	K7	X2002	Q3
C2226	H5	C3420	K4	J2202	I6	L2301	H3	R2212	I4	X2061	Q2
C2227	I5	C3421	K4	J2203	I4	L2302	H2	R2300	J2	X2070	O3
C2228	H5	C3422	K4	J2204	H7	L2304	H3	R2303	H3	X2400	L7
C2231	H4	C3424	N6	J2205	H4	L2400	K8	R2400	K8	X2700	E5
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C2407	L8	C4805	E6	J2218	J5	L7500	F7	R2904	I8	X7805	Q2
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C2601	E9	C6000	P3	J2230	J7	L7506	E8	R2908	J5	Z2002	Q8
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C2807	J7	C7520	F8	J2801	I8	N2001	P8	R3401	N4	Z7582	E7
C2808	I8	C7521	G4	J2803	J2	N2101	H9	R3405	M5		
C2809	J6	C7522	F6	J3100	I8	N2160	M7	R3408	N4		
C2810	J6	C7523	E4	J3101	H8	N2161	M7	R3409	N4		

